

We Claim:

1. A method of propagating presentation code to a client, said client using a constrained function presentation engine, said method comprising:
  - 5 identifying style information within the presentation code;  
resolving said style information to a subset of style information adapted for use by said constrained function presentation engine, said resolved style information within said propagated binary file being adapted to enable client manipulation.
- 10 2. The method of claim 1, further comprising:  
compressing said presentation code including resolved style information to provide a binary file; and  
propagating said binary file toward said client.
- 15 3. The method of claim 1, wherein:  
said presentation code is substantially compliant with an HTML/CSS system.
4. The method of claim 3, wherein:  
said presentation code comprises at least one of in-line XML styles and CSS  
20 style sheets.
5. The method of claim 1, further comprising:  
translating said binary file into a document tree containing a plurality of nodes, each of said nodes comprising at least one user manipulable property.  
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6. The method of claim 1, further comprising:  
validating said presentation code and resolved style information to enable non-validating parsing at said client.
- 30 7. The method of claim 1, further comprising:  
adapting the style resolving process in response to an indicium of capability of a client.

8. The method of claim 7, wherein said indicium comprises a control signal received from the client.
9. The method of claim 1, wherein:  
5 said presentation code comprises a markup file and associated CSS style sheets.
10. The method of claim 1, wherein said resolving said style information comprises at least one of reducing the number of style properties, deleting style rules and simplifying style dependencies.  
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11. The method of claim 1, further comprising compressing common resolved styles.
12. A constrained function presentations engine, comprising:  
15 a non-validating parser for extracting presentation code including resolved style elements from a received file to provide a tree of nodes representing a document to be presented; and  
a layout engine, for processing the tree of nodes to generate thereby a set of display objects having corresponding display properties including at least one user  
20 manipulable property.
13. The constrained function presentation engine of claim 10, wherein said display objects are dynamically altered using a Document Object Model (DOM) API.
- 25 14. A signal bearing medium including a representation of software instructions which, when executed by a processor, perform a method of propagating presentation code to a client, said client using a constrained function presentation engine, said method comprising:  
identifying style information within the presentation code;  
30 resolving said style information to a subset of style information adapted for use by said constrained function presentation engine, said resolved style information within said propagated binary file being adapted to enable client manipulation.